

REMARKS

This is intended as a full and complete response to the Final Office Action dated April 11, 2011, having a shortened statutory period for response set to expire on July 11, 2011. Please reconsider the claims pending in the application for reasons discussed below.

Claims 39-52 are rejected by the Examiner.

Claims 39-53 remain pending in the application after entry of this response. Claim 39 has been amended and new claim 53 has been added. No new matter has been added by either the amendment or new claim.

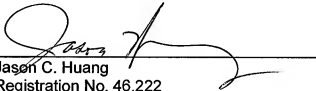
Claim Rejections Under 35 U.S.C. § 102

Claims 39-52 are rejected by the Examiner under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 5,844,397 to *Konecny*.

Konecny does not teach, suggest, or disclose the use of "overmodulation in which the modulated waveforms are unable to follow the peak of the sinewave or other waveshape that is demanded in simple proportion", as recited in amended claim 39 and new claim 53. On the contrary, *Konecny* teaches the use of linear PWM modulation of the type described in the present application with reference to Figures 15 and 16, wherein the modulated waveforms at the output of the inverter are able to follow the peak of the sinewave or other waveshape that is demanded in simple proportion. This is evident from the shape of the uneven sinusoidal equivalent signal 404 in *Konecny* which is clearly able to follow the peak of the sinewave or other waveshape that is demanded in simple proportion. If this were not so, the uneven sinusoidal equivalent signal 404 of *Konecny* would incorporate regions in which the voltage is non-linearly modulated such that uneven sinusoidal equivalent signal 404 would have extended periods at the upper voltage level and at the lower voltage level indicating overmodulation in the inverter. Therefore, claim 39, its dependents, and claim 53 are not anticipated by *Konecny*.

Having addressed all issues set out in the Final Office Action, Applicant respectfully submits that the claims are in condition for allowance and respectfully requests that the claims be allowed.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Jason C. Huang', is written over a horizontal line.

Jason C. Huang
Registration No. 46,222
PATTERSON & SHERIDAN, L.L.P.
3040 Post Oak Blvd. Suite 1500
Houston, TX 77056
Telephone: (713) 623-4844
Facsimile: (713) 623-4846
Attorney for Applicant